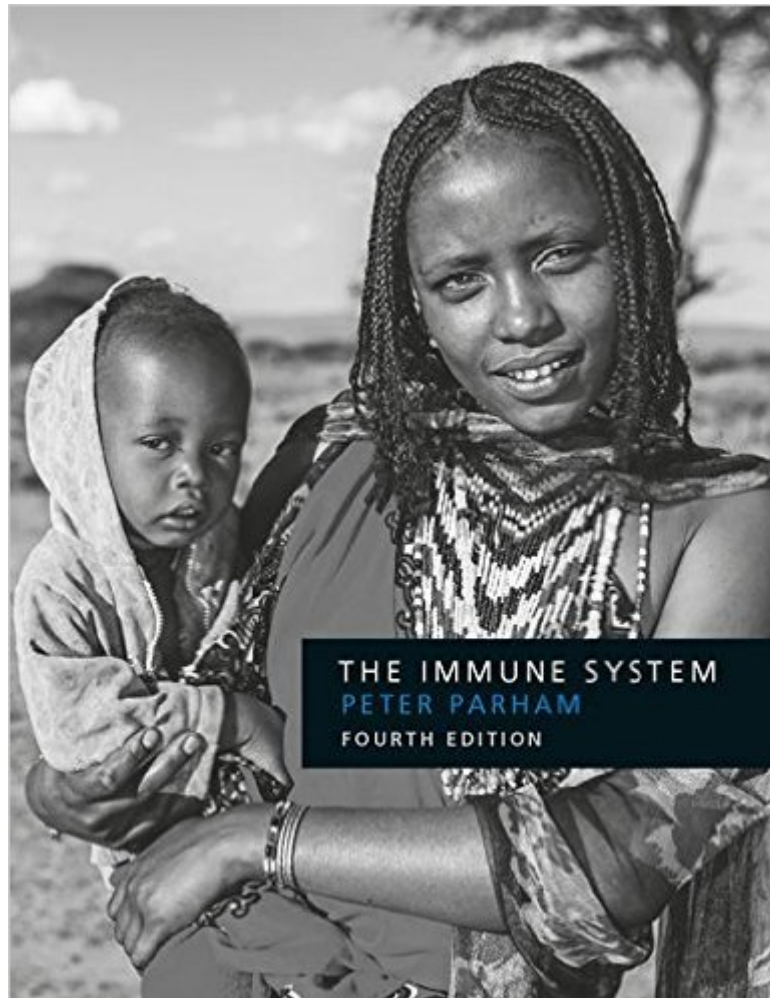


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# The Immune System



## Synopsis

The Immune System, Fourth Edition emphasizes the human immune system and presents immunological concepts in a coherent, concise, and contemporary account of how the immune system works. Written for undergraduate, medical, veterinary, dental, and pharmacy students, it makes generous use of medical examples to illustrate points. This classroom-proven textbook offers clear writing, full-color illustrations, and section and chapter summaries that make the book accessible and easily understandable to students. The Fourth Edition is a major revision that brings the content up-to-date and improves clarity. Based on user feedback, there is now increased continuity and connectivity between chapters. The Immune System is additionally supported by the Garland Science Learning System. This homework platform is designed to evaluate and improve student performance and allows instructors to select assignments on specific topics and review the performance of the entire class, as well as individual students, via the instructor dashboard. Students receive immediate feedback on their mastery of the topics, and will be better prepared for lectures and classroom discussions. The user-friendly system provides a convenient way to engage students while assessing progress. Performance data can be used to tailor classroom discussion, activities, and lectures to address students' needs precisely and efficiently. For more information and sample material, visit <http://garlandscience.rocketmix.com/>. A free trial for the Garland Science Learning System will be available to use during the Fall 2016 semester. Please contact us directly at [science@garland.com](mailto:science@garland.com) to sign up!

## Book Information

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## Customer Reviews

The immune system is a favorite topic of mine. Almost everything which happens to our bodies involves the immune system. So I was very interested in a book which is on a very professional level with current information and excellent writing style. Also I feel that educational graphics are especially important to drive home the information. This book passed all my criteria with flying colors. I really enjoyed studying it and have now read it twice (there's way too much information there to absorb on just one reading!). Almost every process in the human body involves the immune system and learning to minimize inflammation is a huge leg up on feeling good! Everything from sore muscles and joints, strep throat, healing, migraine, every disease known to man, sunburn, and on and on involve inflammation. Learning the mechanisms of inflammation and immunity and how to quiet inflammation and bolster immunity REALLY adds to ones health. I highly recommend this superb book as a way to learn how to baby ones body!

This is a very good textbook. The publisher, Garland sciences, is one that I trust because they have always done a very good job with their science textbooks (check out Molecular Biology of the Cell, The Biology of Cancer, and others). Continuing along this trend, Peter Parham's book does not disappoint. The figures are cartoonish in most instances of course, much like the ones in MBOC and other Garland books, but they have to be that way and it does help very much with understanding; this is mixed appropriately with real histological cross sections and figures from the clinical setting to give a more realistic idea of what things look like. To a scientist who does/participates in research with a partial or minor immunological context, or needs to learn selected topics in immunology for future research, this text is the perfect companion. For a seasoned immunologist who does pure research in the field, a better choice would probably be the more detailed and in-depth Immunobiology by Janeway, from which Parham's text is adapted if I'm not mistaken.

Overall this book is pretty good. But when i bought it, i didn't realize that it's loose leaf and it's a little bit dirty in those holes. But the biggest problem is some of the letters are lost because those holes are so close to the content. But it won't affect your reading.

I loved this book! I am so sad that I only rented it for school. I have learned so much about the Immune system. Usually I find text books to be boring and very hard on the eyes. I don't even like the cover of the book but the inside is well done. :)

This book is the best among all books for immunology, my personal opinion of course. However, the diagrams and figures are so helpful. Break down the difficult concepts to understandable pieces and is very clear. Got the older version as well.

I had this for a class. I really enjoyed the class and found the book to be quite clear. The only bit I found confusing was how B cell and T cell development were in separate chapters but IRL they happen simultaneously and the class expected us to know that, so I had to flip back and forth while studying.

Great book for anybody studying Immunology! Has nice diagrams and explanations. Of course you can get the older versions and save money but still not bad for the price.

I loathe this textbook. Why? Well, here's just a few reasons:

1. This book is full of completely unnecessary repetitions. For example, on page 218 these sentences appear within 20 lines of each other: "CD8 effector cells and CD4, TH1, TH2, TH17, and TREG cells leave the lymphoid tissue and enter the circulation to seek out sites of infection." "Cytotoxic CD8 T-cells and effector CD4, TH1, TH2, TH17 work at sites of infection" "After their differentiation in secondary lymphoid tissue, CD8 cytotoxic T-cells and CD4, TH1, TH2, TH17 cells travel to infected tissue to do their work." This is just one of many, many, MANY examples of this crazy repetition. It makes for such LONG reading for such simple concepts.
2. The book's organization is SO scattered, I have to organize it myself before I can study it. For instance, Chapter 5 talks about T-Cell Receptors (TCRs) then MHCs then TCRs, then MHCs, then TCRs, then MHCs, ETC ETC ETC. One at a time, PLEASE! I understand they're interconnected, but the whole freaking immune system is. You can't keep jumping back and forth a thousand times.
3. The breakdown of arbitrarily named enzymes and complexes and how each interacts is overkill. Especially for an undergraduate textbook. I don't need to know the 50 molecules involved in sending a signal from a TCR to the innards of the cell. I just need to know that the TCR works in tandem with CD28 and a co-receptor to begin a cascade of events that leads to the release of certain molecules that affect other cells. Chill out on the random letter/number/Greek alphabet combinations.
4. The book is not continuous. What I mean to say is, the text says one thing in one chapter and another in the later chapters, for NO GOOD REASON. For instance, the text says in the first four chapters that Antigen Presenting Cells (APCs) include macrophages and dendritic cells. Then, suddenly in chapters 5-8 it says B-cells are APCs, too. Why the hold back of information?? Just tell me what I need to know to begin with, don't add on little stuff like that later.
- 5.

The flow of the book is ridiculously hard to keep up with. The first four chapters basically explain the entire immune system, and then the rest of the book covers each portion in more depth. This is too much information up front followed by too much repetition on the back-end. Don't flood me with information and then repeat it all later. Just ONE THING AT A TIME! Teach me about B-cells. Then teach me about Ig. Then teach me about T-cells. Then teach me about TCRs. Etc. Etc. ETC. Don't talk to me about cytokines, then B-cells, then T-cells, then MHC, then back to Ig, then on to TCRs, then back to macrophages, then some innate immunity, oh wait lets throw some adaptive immunity in there randomly, OH did you know about this disorder associated with something five pages back?

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